

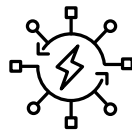


# NEW X5DE X-ray System

## ENHANCED INSPECTION PERFORMANCE

### INSPECTION CLARITY

New Dual Energy Technology with Multi-level Algorithms for advanced contaminant detection and product integrity assurance



*“ Requiring the highest level of efficiency in sustainability and product quality assurance, we trialled the new X5DE that rectified a quality issue upstream, reducing false rejects and product wastage at end of line. Lower power consumption and lead-free construction contribute to our factory’s sustainability performance. ”*

ENGINEERING MANAGER,  
READY MEALS, BIRMINGHAM



#### FIND MORE

Our latest X-ray technology helps manufacturers find more, even in complex products

#### USER EXPERIENCE

New 19" high-definition wide touchscreen and improved user interface

#### ULTIMATE SECURITY

Enhanced security and traceability with RFID for better access control

#### INDUSTRY 4.0 READY

Improved data exchange with OPC-UA connectivity as standard

# Introducing the new X5DE X-ray system

Take X-ray inspection to a new level with our latest solution featuring Dual Energy with Multi-level Algorithms

LOMA's X5DE is an advanced Dual Energy X-ray system designed to recognize hard-to-find, low-density contaminants in a wide range of products. It delivers improved accuracy, reducing false rejects while offering sharp, reliable results in complex inspections.



## Why choose the X5DE for your advanced product inspection needs?

### Dual Energy with Multi-level Algorithms benefits:

- Our innovative technology ensures consistent product quality by identifying foreign bodies in overlapping products with advanced detection features. The improved accuracy greatly minimizes false rejects while delivering clear, adaptable imagery that boosts contaminant detection.
- By capturing X-ray images at both multi energy levels, it highlights different attenuation patterns, enhancing the system's capability to identify contaminants. This results in more dependable and efficient inspections across many applications.

### Financial advantages for your production line:

- The X5DE operates at the lowest possible energy levels helping to cut operational costs and together with lead-free construction, supports environmental sustainability.
- Achieve lower total cost of ownership as this machine is designed for fewer breakdowns with extended components lifespan.



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FOR OUR LATEST  
X-RAY TECHNOLOGY



## What else is new about X5DE?



### IMPROVED USER EXPERIENCE

New 19" high-definition wide touchscreen for screen clarity and improved on-screen diagnostics for a more intuitive operator experience.



### INTEGRITY CHECKS

Along with checking for contaminants, the X5DE can conduct product integrity checks, verify content count and ensure the product presentation is as expected.



### ENHANCED SECURITY

RFID security tags enable faster login and provide enhanced product security and data integrity to keep your operations secure.



### INFORMATION CONNECTIVITY

OPC-UA for standardisation in sending and receiving data. This X5DE coupling is an important protocol for Industry 4.0 connectivity, delivering data reassurance and protection.

To contact our experts, call **+44 (0)1252 893300** or email [enquiries@loma.com](mailto:enquiries@loma.com)

[www.loma.com](http://www.loma.com)

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